

February 21 - February 28, 2002

The Terra spacecraft is in nominal mode. All instruments are in nominal science mode.

The third in the series of six Inclination Adjust Burns for Terra was executed on February 26, 2002. The next Inclination Adjust Burn is scheduled for March 5, with a Command Authorization Meeting scheduled for March 4. A Drag Make-up Maneuver will follow the Inclination Adjust Burn the following week. The frequency of the Inclination Adjust Maneuvers has reduced the need for more frequent Drag Make-up Maneuvers because the Inclination Adjust Maneuvers provide a portion of the required Drag Make-up component.

The second in the series of 2-day tests using Terra to simulate the Aqua science data load on the Polar Ground Network was completed. Testing occurs at the ground track repeat cycle of 16 days. The next will occur starting on March 7, when the STS-109 HST Servicing Mission is scheduled to be at the peak of its activity.

Initial analysis of a small (5%) increase in the MISR instrument calibration motor stall current for a few seconds at the end of the calibration sequence on February 11 suggests possible radiation exposure effects, but no operational problem. Analysis is continuing.

A MODIS calibration roll Maneuver is planned for March 3, 2002.

Terra Plans:

- <ul>
- <li>Inclination Adjust Maneuver and Drag Make-up Maneuver
- <li>Terra-based Aqua Ground Network Science Data Loading Test
- <li>MODIS calibration roll maneuver
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